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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/886,162	06/21/2001	John Mark Hartel	AUS920010056US1	5976
35525	7590	01/19/2005	EXAMINER	
IBM CORP (YA) C/O YEE & ASSOCIATES PC P.O. BOX 802333 DALLAS, TX 75380			WU, YICUN	
			ART UNIT	PAPER NUMBER
			2165	

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/886,162	Applicant(s) HARTEL, JOHN MARK	
	Examiner Yicun Wu	Art Unit 2165	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 June 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-59 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-59 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 September 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>9-17-2001</u> . | 6) <input type="checkbox"/> Other: _____ |

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III. DETAILED ACTION

1. Claims 1-59 are presented for examination.

Drawing

2. Drawings are acceptable for examination purpose.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which the subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 1-59 are rejected under 35 U.S.C. 103(a) as being unpatentable over Walsh et al. (U.S. Patent 6,810,429) in view of Lindberg et al. (U.S. Patent 6,732,109).

As to Claims 1, 39 and 57, Walsh et al. discloses a method in a data processing system, the method comprising:

receiving data (i.e. add. Col. 6, lines 40-46) describing objects (i.e. document. Col. 6, lines 40-46);

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storing the data in a database format in a database (i.e. data source. Col. 6, lines 40-46);

responsive to receiving a request (i.e. query. Col. 6, lines 4-24) for an object (i.e. document. Col. 6, lines 4-24) from a processing environment (i.e. add. Col. 6, lines 40-46),

retrieving data corresponding to the object from the database (i.e. a relational database. Col. 6, lines 25-29); and

translating the data corresponding to the object into a form for use by the processing environment (i.e. in the form of a XML document Col. 6, lines 4-24).

Walsh et al. does not explicitly teach transferring data.

Lindberg et al. teaches transferring data (i.e. transferring information. Col. 2, lines 56-67).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Walsh et al. with transferring data.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Walsh et al. by the teaching of Lindberg et al. because providing transferring data allows flexibly handling of tenants conflicting needs as taught by Lindberg et al. (col. 1, lines 31-39).

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As to Claim 2 and 40, Walsh et al. as modified teaches a method wherein

the data is in a markup language data file (i.e. XML. Walsh et al. Col. 3, lines 53-67).

As to Claims 3 and 41, Walsh et al. as modified teaches a method wherein

the database format is a set of entries in a table (i.e. data format. Walsh et al. Col. 4, lines 36-41).

As to Claims 4 and 42, Walsh et al. as modified teaches a method wherein

the request (i.e. requests. Walsh et al. Col. 5, line 14) originates from a data proxy (i.e. agents. Walsh et al. Col. 5, line 14).

As to Claims 5 and 43, Walsh et al. as modified teaches a method wherein

the processing environment is a Java processing environment (i.e. Java servlets java applets. Walsh et al. Col.7, lines 5-15) and the form is a Java class (i.e. Java servlets java applets. Walsh et al. Col.7, lines 5-15).

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As to Claims 6, 29, 44 and 58, Walsh et al. as modified teaches a method in a data processing system for transferring data (Lindberg et al. Col. 2, lines 56-67), the method comprising:

receiving a markup language file (i.e. XML. Col. 10, lines 59-67) describing at least one object (i.e. document. Walsh et al. Col. 6, lines 40-46);

converting the markup language file to at least one table in a database (Walsh et al. Col. 10, lines 59-67), wherein the at least one table (i.e. table. Walsh et al. col. 10, lines 59-67) contains object parameters for the at least one object (Walsh et al. col. 10, lines 59-67);

responsive to a request for an object from a requestor, translating the at least one table into the object (i.e. in the form of a XML document. Walsh et al. Col. 6, lines 4-24); and sending the object to the requestor (Walsh et al. Col. 6, lines 4-24).

As to Claims 7 and 45 Walsh et al. as modified teaches a method comprising:

validating the markup language file using a document type definition file (i.e. DTD. Walsh et al. Col. 10, lines 59-67)

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prior to the converting the markup language file (i.e. as defined by the DTDs. Walsh et al. Col. 10, lines 59-67).

As to Claims 8 and 46, Walsh et al. as modified teaches a method wherein

the request for the object is for an object in a desired form selected among a plurality of available object forms and wherein the translating step translates the table into the desired object form (i.e. DOM document object. Walsh et al. col. 6, lines 5-24).

As to Claims 9 and 47, Walsh et al. as modified teaches a method wherein

the object is a graphical user interface object used for representing a system resource in a graphical user interface (i.e. user interface. Walsh et al. col. 9, lines 53-55).

As to Claims 10, 34, 48 and 59, Walsh et al. as modified teaches a method in a data processing system, the method comprising:

storing external customizable data (i.e. XML. Walsh et al. Col. 10, lines 59-67) for use by a software system during

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execution of processes by the software system in a central repository (i.e. database. Walsh et al. Col. 6, lines 59-67);

wherein the software system is distributed within a network data processing system (fig. 1b); and

delivering the external customizable data in a format (i.e. XML. Walsh et al. Col. 10, lines 59-67) usable by the software system in response to requests from the software system (i.e. query. Walsh et al. Col. 6, lines 5-24).

As to Claims 11 and 49, Walsh et al. as modified teaches a method wherein

the external customizable data is an extensible markup language data file (i.e. XML. Walsh et al. Col. 10, lines 59-67).

As to Claims 12 and 50, Walsh et al. as modified teaches a method wherein

the object is an instance of a Java class (i.e. Java servlets java applets. Walsh et al. Col.7, lines 5-15).

As to Claims 13 and 51, Walsh et al. as modified teaches a method wherein

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the requestor is a data proxy (i.e. agents. Walsh et al. Col. 5, line 14).

As to Claims 14 and 52, Walsh et al. as modified teaches a method wherein

the object is a Java class (i.e. Java servlets java applets. Walsh et al. Col.7, lines 5-15).

As to Claim 15, Walsh et al. as modified teaches a method wherein

the object is an instance of a Java object (i.e. Java servlets java applets. Walsh et al. Col.7, lines 5-15).

As to Claims 16 and 53, Walsh et al. as modified teaches a method wherein the step of sending the object to the requestor comprises:

sending a universal resource identifier to the requestor (i.e. URL. Col 12, lines 20-32).

As to Claims 17 and 54, Walsh et al. as modified teaches a method wherein the external customizable data is a markup language file and further comprising:

validating the markup language file (i.e. as defined by the DTDs. Walsh et al. Col. 10, lines 59-67).

As to Claim 18 and 55, Walsh et al. as modified teaches a method wherein

the markup language file is an extensible markup language file (i.e. XML. Walsh et al. Col. 10, lines 59-67).

As to Claim 19 and 56, Walsh et al. as modified teaches a method wherein

the extensible markup language file is validated using a document type definition file (i.e. as defined by the DTDs. Walsh et al. Col. 10, lines 59-67).

As to Claim 20, Walsh et al. as modified teaches a system, the system comprising:

a database (i.e. data source. Walsh et al. col. 6, lines 5-24),

wherein the database contains representations of objects (i.e. document. Walsh et al. col. 6, lines 5-24);

a data import process (i.e. add. Walsh et al. col. 6, lines 40-46),

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wherein the data import process receives an external data file describing an object (i.e. add. Walsh et al. col. 6, lines 40-46)

translates external data file into a representation, and stores the representation in the database (Walsh et al. col. 10, lines 15-20),

a data server process, wherein the data server process receives a request from a requestor (i.e. a query. Walsh et al. Col. 10, lines 5-20)

fetches a selected representation in response to receiving the request (i.e. a query. Walsh et al. Col. 10, lines 5-20),

translates the selected representation into an object (i.e. XML format. Walsh et al. Col. 10, lines 5-20), and

sends the object to the requestor (Walsh et al. Col. 10, lines 5-20).

As to Claim 21, Walsh et al. as modified teaches a system, comprising:

a set of data proxies (i.e. agents. Walsh et al. Col. 5, line 14), wherein a data proxy within the set of data proxies connects to the data server process (Walsh et al. Fig. 1b, item 101),

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receives a request from a local processing environment (i.e. agents. Walsh et al. Col. 5, line 14),

routes the request to the data server (Walsh et al. Fig. 1b, item 101), receives a result from the data server process (Walsh et al. Fig. 1b, item 101), and

sends the result to the local processing environment (Walsh et al. Fig. 1b, item 101 and col. 10, line 10).

As to Claim 22, Walsh et al. as modified teaches a system, wherein

the external data file is a markup language file (i.e. XML. Walsh et al. Col. 10, lines 59-67).

As to Claim 23, Walsh et al. as modified teaches a system, wherein

the markup language file is an extensible markup language file (i.e. XML. Walsh et al. Col. 10, lines 59-67).

As to Claims 24 and 39, Walsh et al. as modified teaches a data processing system comprising:

a bus system (Walsh et al. fig. 1b);

a communications unit connected to the bus (Walsh et al. fig. 1b),

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wherein data is sent and received using the communications unit (Walsh et al. fig. 1b);

a memory connected to the bus system (Walsh et al. fig. 1b), wherein a set of instructions is located in the memory (Walsh et al. fig. 1b); and

a processor unit connected to the bus system (Walsh et al. fig. 1b), wherein the processor unit executes the set of instructions to receive data describing objects (i.e. add. Walsh et al. Col. 6, lines 40-46);

store the data in a database format in a database (i.e. add. Walsh et al. Col. 6, lines 40-46);

retrieve data corresponding to the object from the database in response to receiving a request for an object from a processing environment (i.e. a relational database. Walsh et al. Col. 6, lines 25-29); and

translate the data corresponding to the object into a form for use by the processing environment (i.e. in the form of a XML document Walsh et al. Col. 6, lines 4-24).

As to Claims 25, 30 and 35, Walsh et al. as modified teaches a data processing system comprising

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the bus system includes a primary bus and a secondary bus
(Walsh et al. fig. 1b).

As to Claims 26, 31 and 36, Walsh et al. as modified
teaches a data processing system comprising:

the processor unit includes a single processor (Walsh et
al. fig. 1b).

As to Claims 27, 32 and 37, Walsh et al. as modified
teaches a data processing system comprising,

the processor unit includes a plurality of processors
(Walsh et al. fig. 1b).

As to Claims 28, 33 and 38, Walsh et al. as modified
teaches a data processing system wherein

the communications unit is an Ethernet adapter (Walsh et
al. fig. 1b).

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Other Prior Art Made of Record

5. The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure. U.S. patents and U.S. patent application publications will not be supplied with Office actions.

Examiners advises the Applicant that the cited U.S. patents and patent application publications are available for download via the Office's PAIR. As an alternate source, all U.S. patents and patent application publications are available on the USPTO web site (www.uspto.gov <<http://www.uspto.gov/>>), from the Office of Public Records and from commercial sources. For the use of the Office's PAIR system, Applicants may refer to the Electronic Business Center (EBC) at [<http://www.uspto.gov/ebc/index.html>](http://www.uspto.gov/ebc/index.html) or 1-866-217-9197.

Sarkar (U.S. Patent No. 6,418,448);

Reisman (U.S. Patent No. 6,658,464); and

Williams (U.S. Patent No. 6,591,272).

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Conclusion


6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yicun Wu whose telephone number is 571-272-4087. The examiner can normally be reached on 8:00 am to 4:30 pm, Monday -Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 571-272-4083. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2100.

Yicun Wu
Patent Examiner
Technology Center 2100

December 24, 2004


CHARLES RONES
PRIMARY EXAMINER